

Figure 1

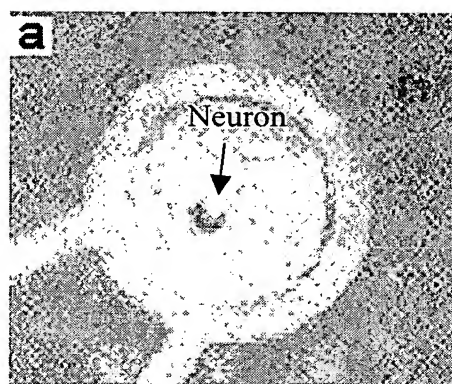


Figure 2A

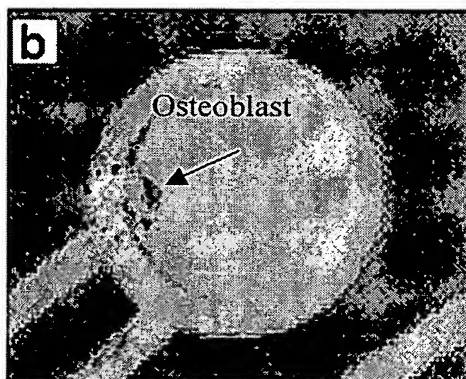


Figure 2B

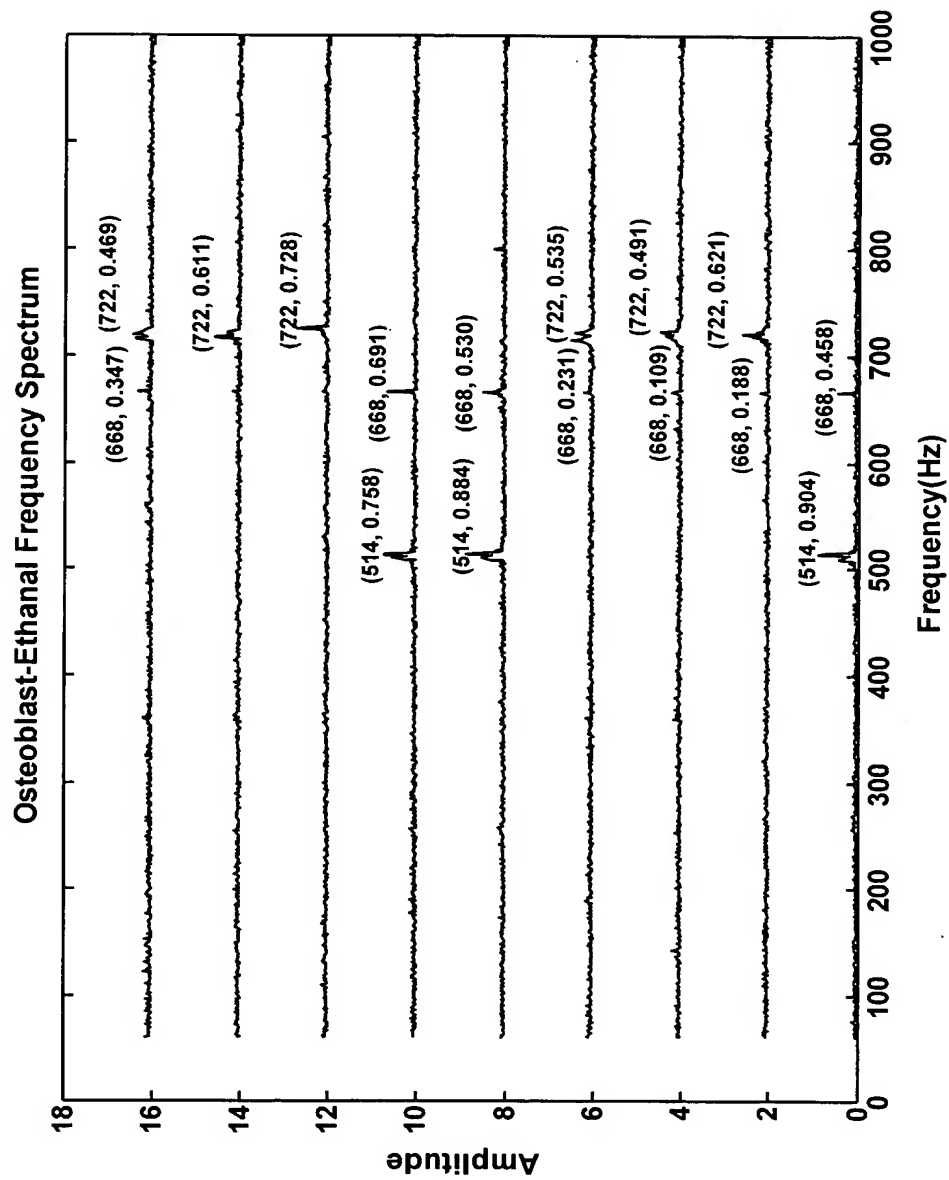


Figure 3

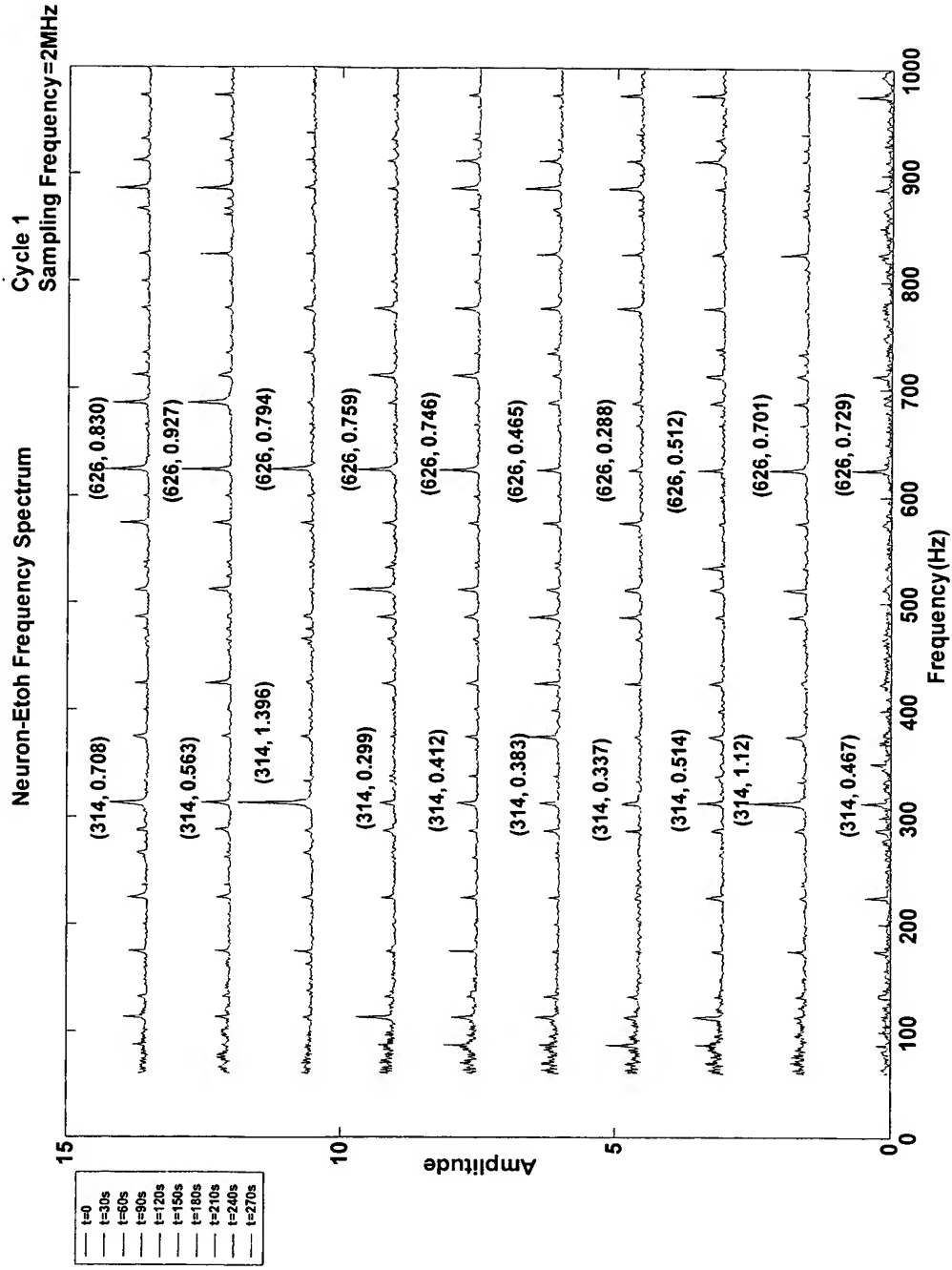


Figure 4

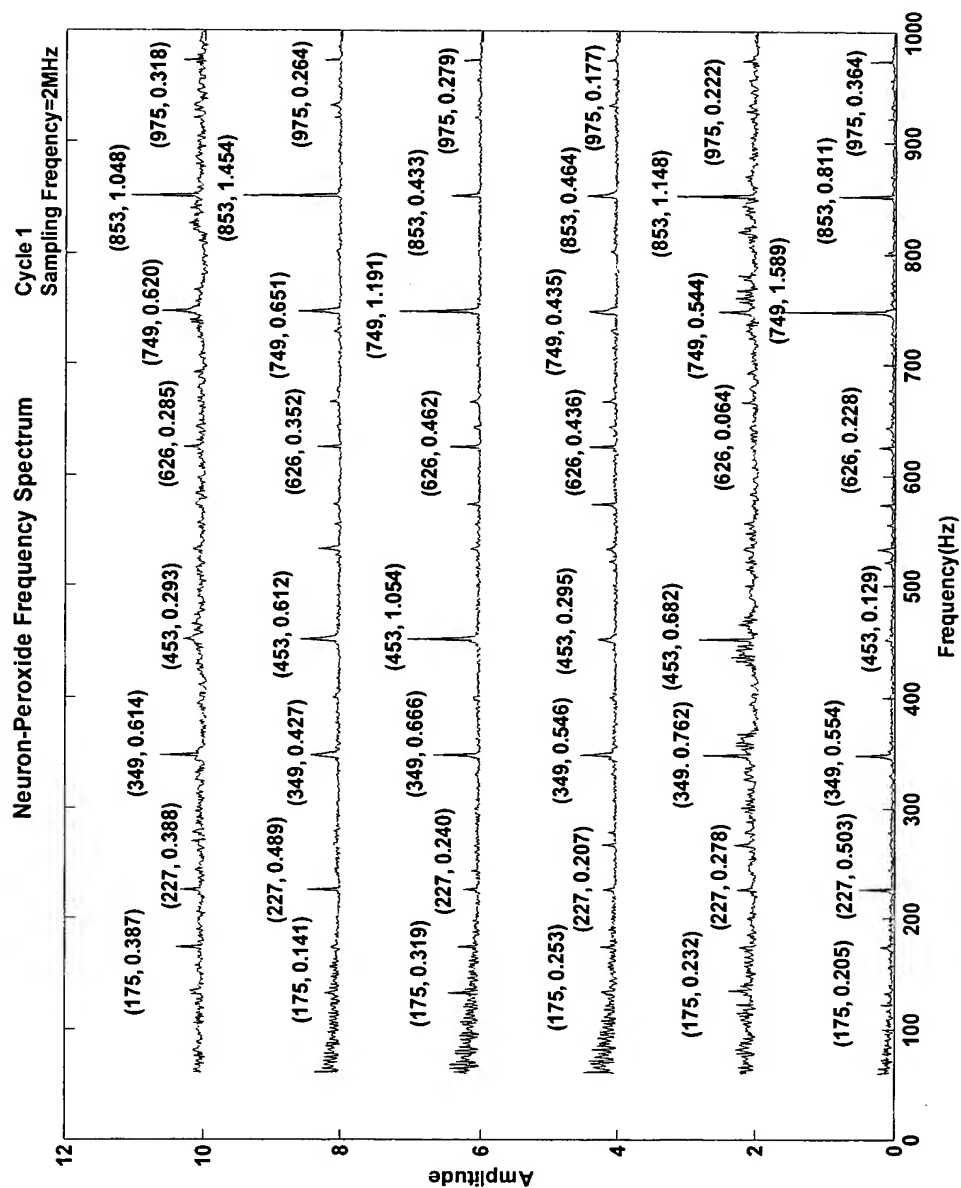


Figure 5

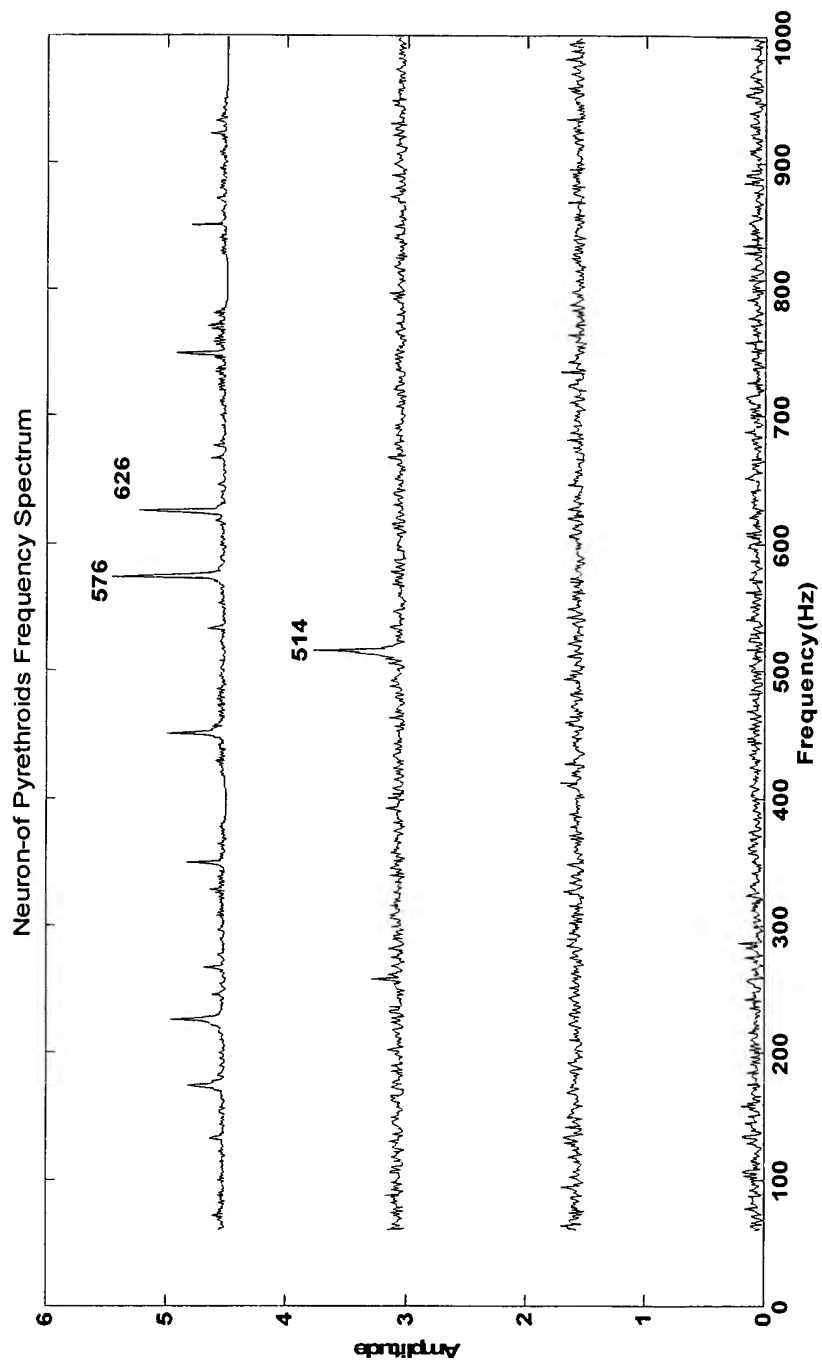


Figure 6

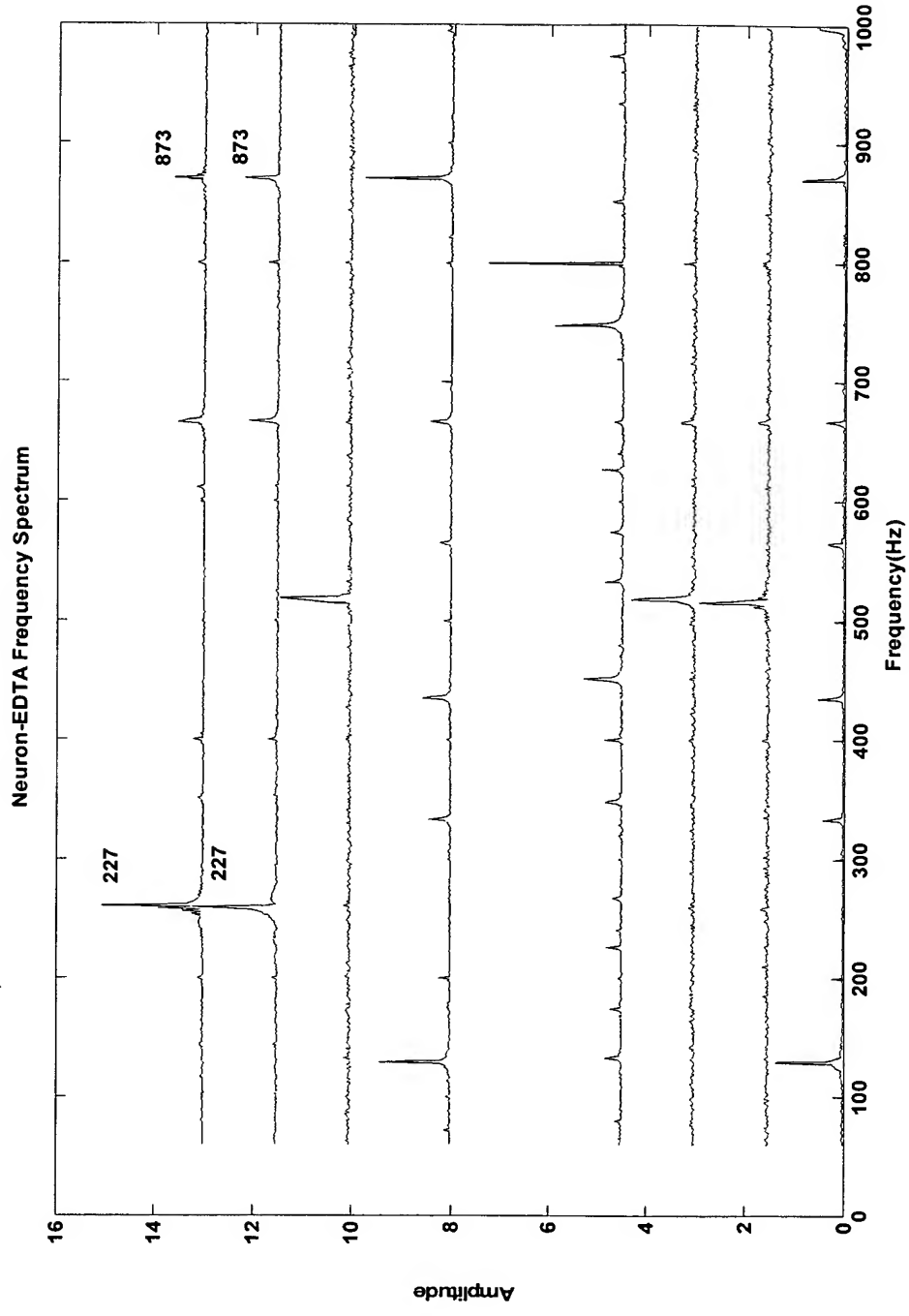


Figure 7

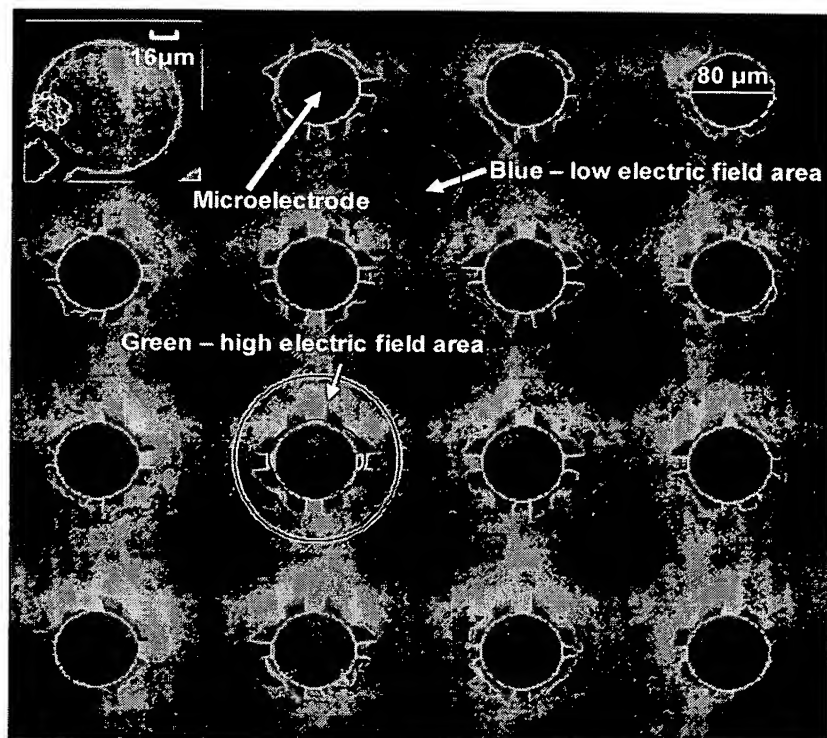
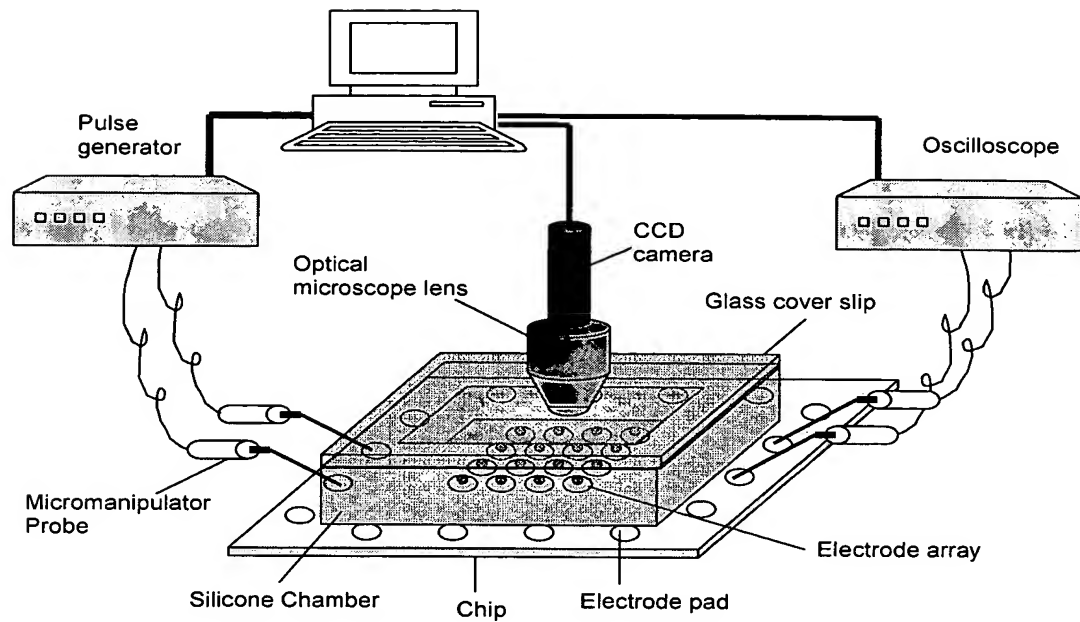
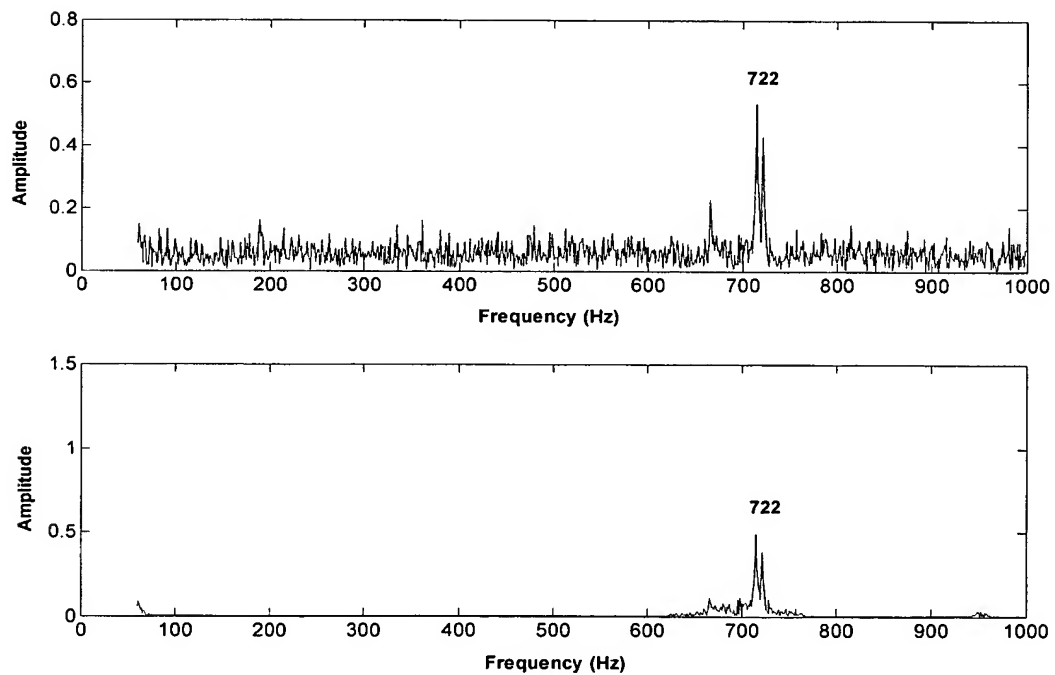
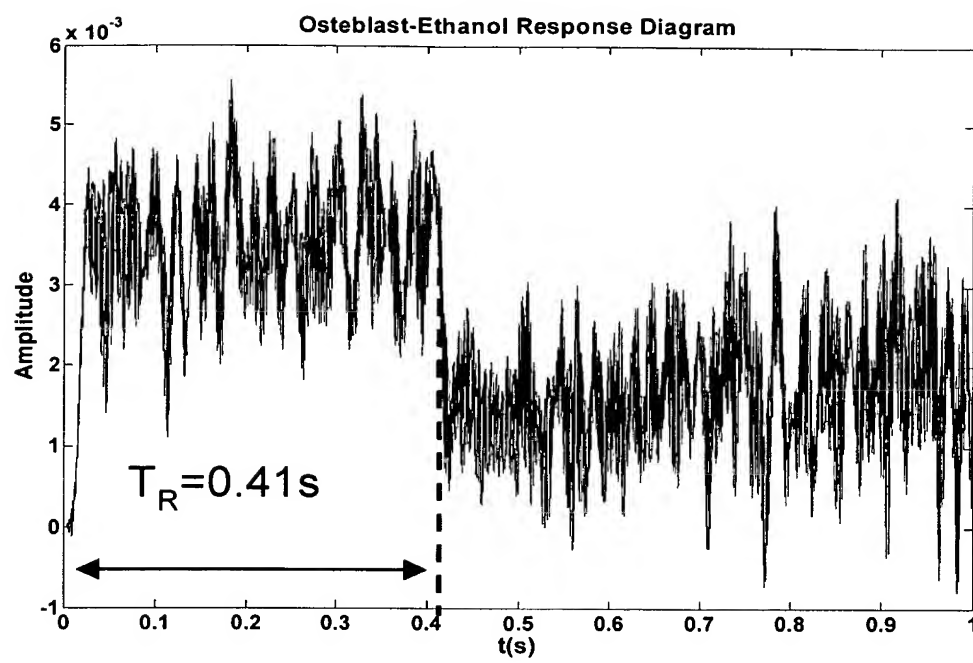


Figure 8

**Figure 9****Figure 10A**

**Figure 10B**

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A. PECVD Silicon nitride deposition

Si_3N_4



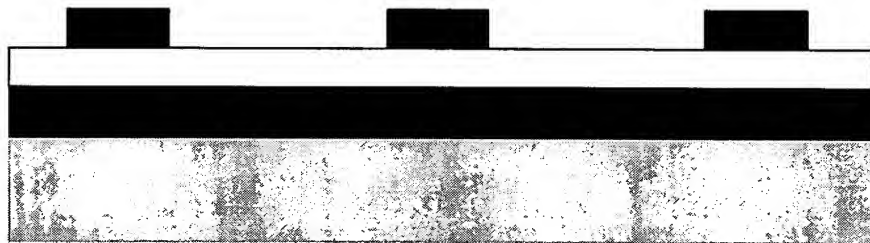
B. E-beam platinum deposition

Pt

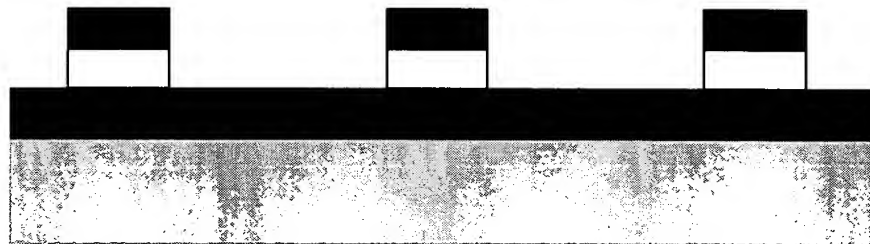


C. Photoresist patterning

Photoresist



D. PECVD Silicon nitride deposition



E. Photoresist removal

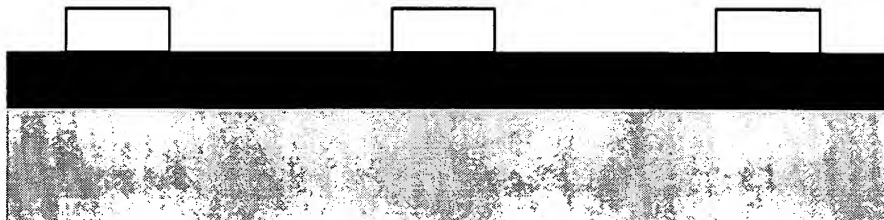


Figure 11

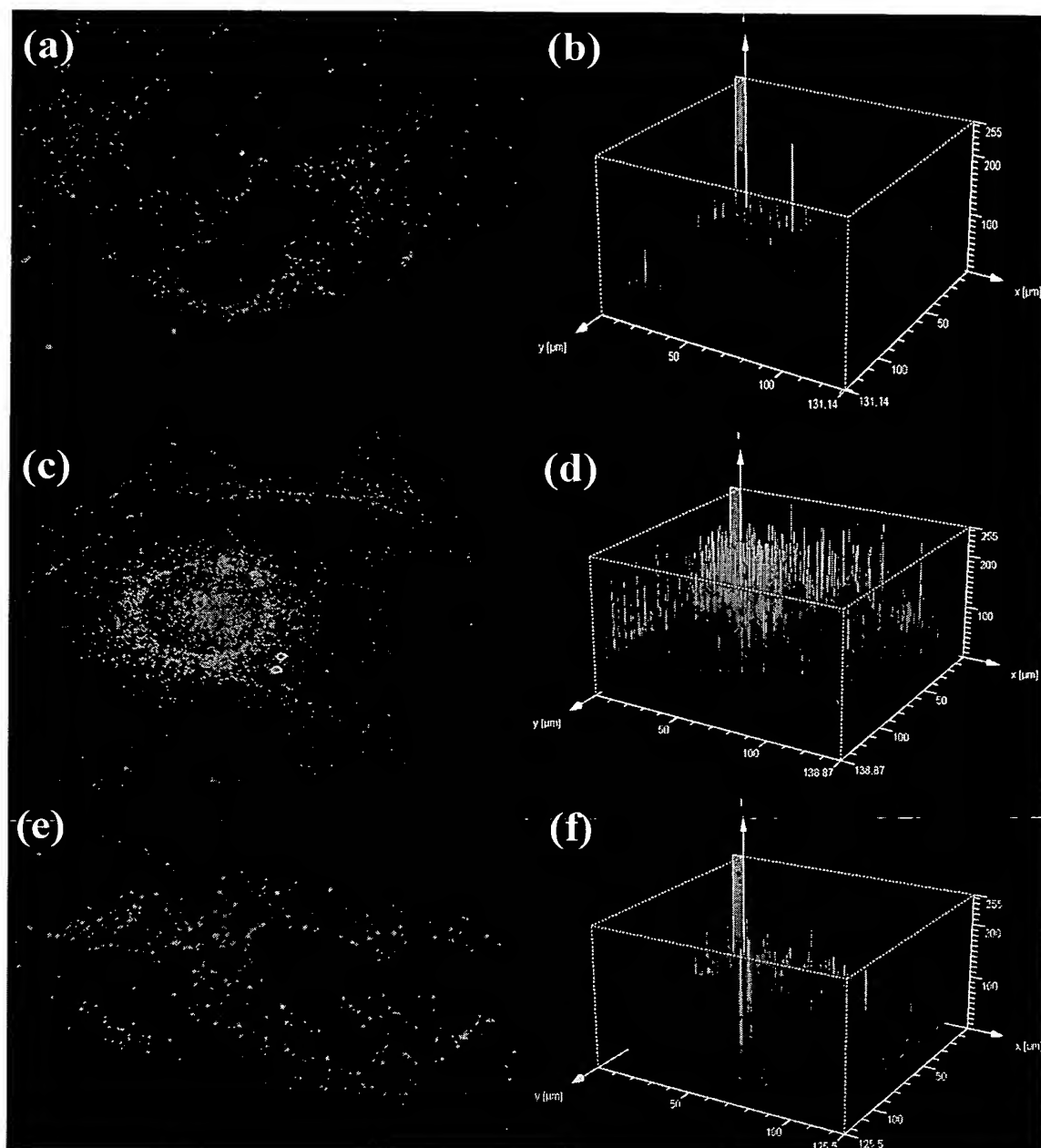


Figure 12

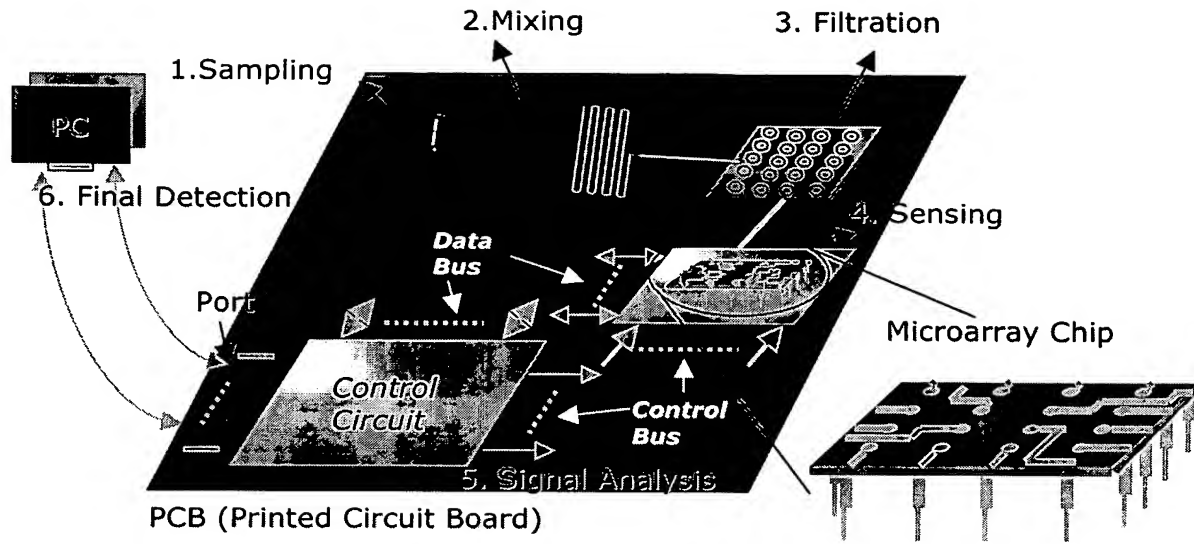


Figure 13

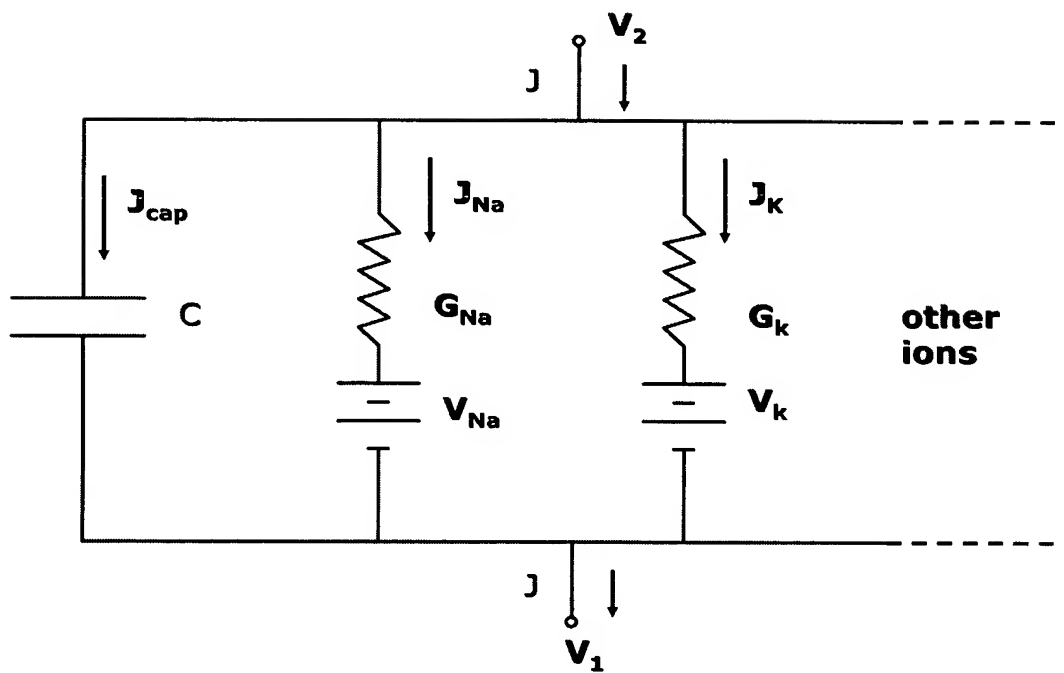


Figure 14

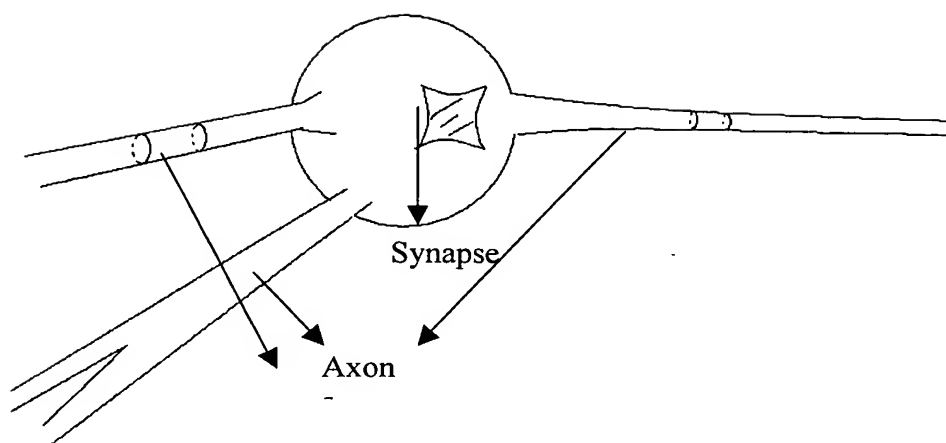


Figure 15A

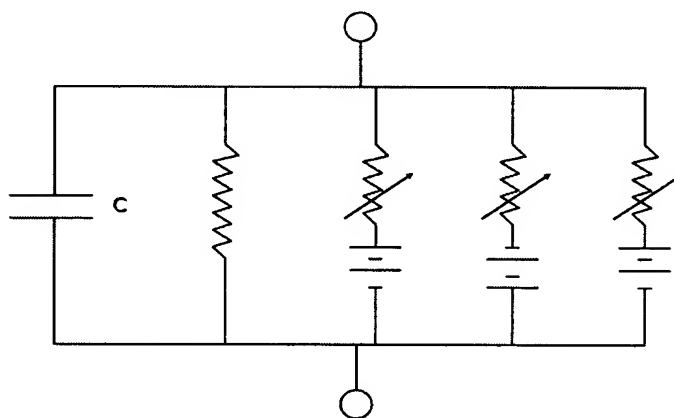


Figure 15B